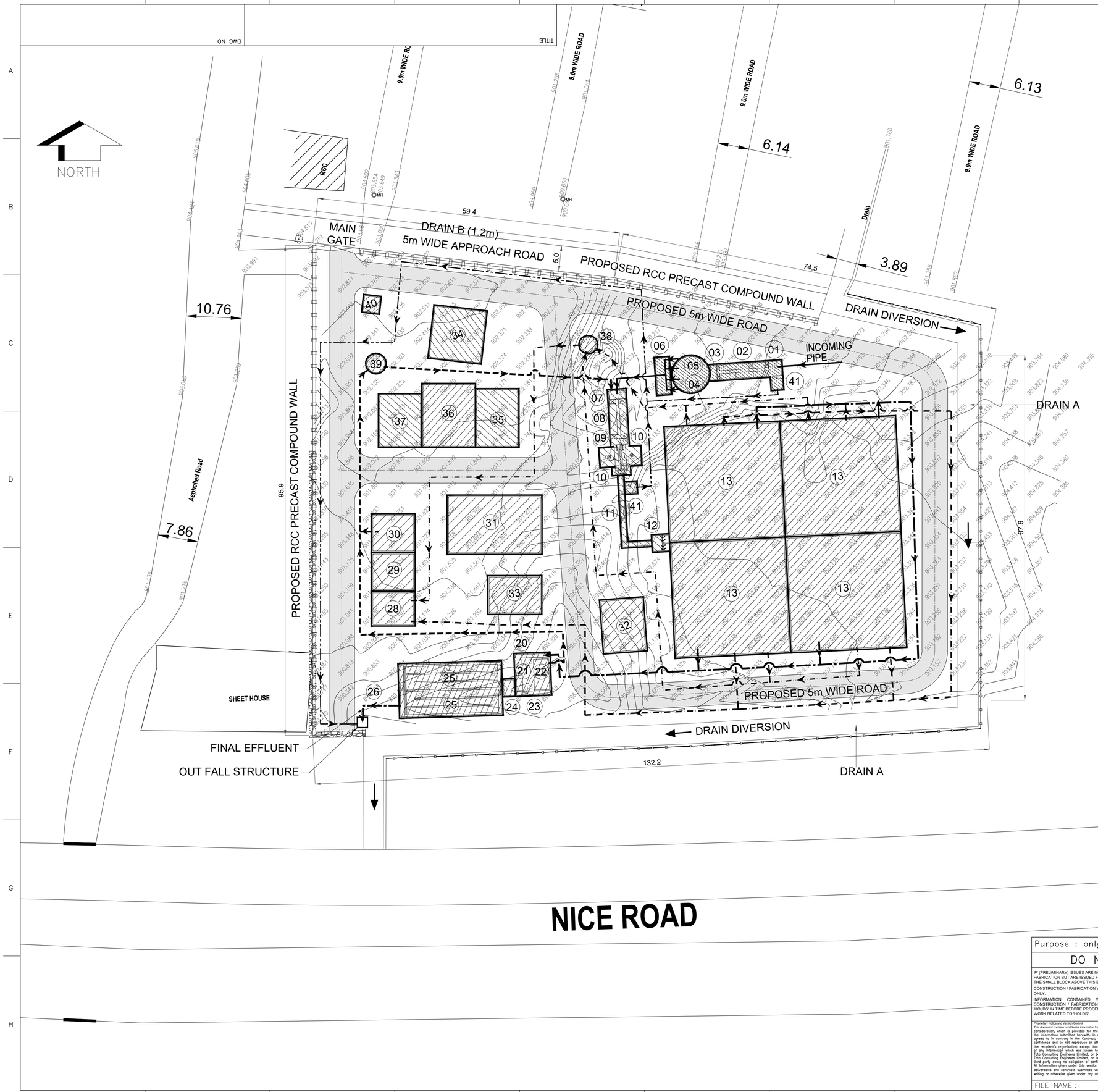


LEGENDS :

- PROPOSED RCC PRECAST COMPOUND WALL
- RAW SEWAGE PIPE
- SLUDGE PIPE
- SUPERNATANT PIPE
- TREATED WATER
- PROPOSED STP UNITS
- BYPASS LINE
- SCUM PIPE
- PROPOSED ROAD
- EXISTING ROAD
- DRAIN;NALA
- GABION WALL
- CHAINLINK FENCING

NOTES:

1. ALL LEVELS ARE IN METERS,UNLESS OTHER WISE MENTIONED.
2. ALL LEVELS ARE WITH REFERENCE TO THE GTS BENCH MARK ENGRAVED ON CENTER OF 2ND STONES ON EAST SIDE OF QUEEN VICTORIA'S STATUE IN CUBBON PARK,BANGALORE.ITS VALUE IS 912.266M.
3. ALL THE CO-ORDINATES ARE BASED ON UTM WGS-84.
4. ALL THE PROCESS AND NON-PROCESS BUILDING DIMENSIONS SHOWN ARE MINIMUM AND HEIGHT OF THE BUILDING SHALL BE FROM FINISHED FLOOR LEVEL.
5. FINISHED FLOOR LEVEL OF ALL PROCESS AND NON PROCESS BUILDING SHALL BE ATLEAST 500MM ABOVE THE FINISHED GROUND LEVEL.
6. EXISTING CULVERT TO BE DEMOLISHED
7. TOTAL LENGTH OF PROPOSED RCC PRECAST COMPOUND WALL=206m
8. TOTAL LENGTH OF PROPOSED 5M WIDE ROAD=460m, LENGTH OF APPROACH ROAD=120m
9. HFL=902.00m AND AVERAGE NGL=900.00m
10. FGL=903.00m
11. BUILDING PLINTH LEVEL=903.50m AND FOR LIQUID RETAINING STRUCTURES=901.00m
12. TOTAL LENGTH OF DRAIN A=223m, TOTAL LENGTH OF DRAIN B=100m
13. TOTAL LENGTH OF GABION WALL=65m
14. TOTAL LENGTH OF CHAINLINK FENCING=223m
15. TOTAL AREA OF STP LAYOUT=11000 SQM (2.72 Acres)

10 MLD TSPS COMPONENT LIST

| SI NO. | COMPONENT NAME | NO. OF UNITS | SIZE IN METERS L | W | LD*/H | DIA | FREE BOARD |
|---|---|---|---|---|---|---|---|
| | TERMINAL SEWAGE PUMPING STATION (TSPS) | | | | | | |
| 01 | TSPS INLET CHAMBER | 1 | 2.40 | 2.80 | 1.20 | – | – |
| 02 | TRASH SCREEN & COARSE SCREEN CHANNEL | 2 | 9.00 | 1.10 | 0.70 | – | – |
| 03 | COARSE SCREEN EFFLUENT CHANNEL | 1 | 1.20 | 2.80 | 0.60 | – | – |
| 04 | WET WELL | 1 | – | – | 2.20 | 7.00 | – |
| 05 | PUMPING HOUSE (ABOVE WET WELL) | 1 | – | – | 5.50 | 7.00 | – |
| 06 | VALVE CHAMBER | 1 | 7.00 | 2.50 | 2.00 | – | – |

10 MLD STP COMPONENT LIST

| SI NO. | COMPONENT NAME | NO. OF UNITS | SIZE IN METERS L | W | LD*/H | DIA | FREE BOARD |
|---|---|---|---|---|---|---|---|
| | SEWAGE TREATMENT PLANT (STP) | | | | | | |
| 07 | STP INLET CHAMBER | 1 | 1.70 | 3.20 | 1.50 | – | 0.50 |
| 08 | FINE SCREEN CHANNEL | 2 | 6.00 | 1.30 | 0.80 | – | 0.50 |
| 09 | FINE SCREEN EFFLUENT CHANNEL | 1 | 1.20 | 3.20 | 0.80 | – | 0.50 |
| 10 | GRIT CHAMBER | 2 | – | – | 3.00 | 3.00 | 0.50 |
| 11 | PARSHALL FLUME CHANNEL | 1 | 15.00 | 0.80 | 0.50 | – | 0.50 |
| 12 | SBR FLOW DISTRIBUTION BOX | 1 | 3.00 | 3.00 | 1.50 | – | 0.50 |
| 13 | SBR TANKS | 4 | 22.10 | 22.10 | 6.00 | – | 0.60 |
| 14 | NOT USED | – | – | – | – | – | – |
| 15 | NOT USED | – | – | – | – | – | – |
| 16 | NOT USED | – | – | – | – | – | – |
| 17 | NOT USED | – | – | – | – | – | – |
| 18 | NOT USED | – | – | – | – | – | – |
| 19 | NOT USED | – | – | – | – | – | – |
| 20 | DISC FILTER INFLUENT CHANNEL | 1 | 4.80 | 0.70 | 0.50 | – | 0.50 |
| 21 | DISC FILTER BYPASS CHANNEL | 1 | 6.00 | 1.20 | 0.50 | – | 0.50 |
| 22 | DISC FILTER | 1 | 6.00 | 3.00 | 2.00 | – | 0.50 |
| 23 | DISC FILTER EFFLUENT CHANNEL | 1 | 4.80 | 0.70 | 0.50 | – | 0.50 |
| 24 | CCT FLOW DISTRIBUTION BOX | 1 | 2.00 | 3.00 | 1.50 | – | 0.50 |
| 25 | CHLORINE CONTACT TANK | 2 | 18.00 | 4.55 | 1.35 | – | 0.50 |
| 26 | CCT EFFLUENT CHANNEL | 1 | 10.00 | 1.20 | 0.50 | – | 0.50 |
| 27 | NOT USED | – | – | – | – | – | – |
| 28 | CENTRIFUGE FEED SUMP | 1 | 8.00 | 6.20 | 3.50 | – | 0.50 |
| 29 | CENTRIFUGE FEED PUMP HOUSE | 1 | 8.00 | 7.00 | 5.50 | – | – |
| 30 | CENTRIFUGE BUILDING(G+1) | 1 | 8.00 | 7.00 | 5.50 | – | – |
| 31 | BLOWER BUILDING(INCLUDING ELECTRICAL PANEL) | 1 | 18.00 | 11.00 | 9.00 | – | – |
| 32 | CHEMICAL BUILDING | 1 | 10.00 | 8.00 | 5.50 | – | – |
| 33 | CHLORINATION BUILDING | 1 | 10.00 | 7.00 | 5.50 | – | – |
| 34 | ADMIN BUILDING INLUDES PLC SCADA,LABORATORY(G+1) | 1 | 10.00 | 10.00 | 4.50 | – | – |
| 35 | TRANSFORMER YARD | 1 | 11.00 | 8.00 | – | – | – |
| 36 | ELECTRICAL SUB STATION(TSPS/STP) | 1 | 12.00 | 10.00 | 5.50 | – | – |
| 37 | PLANT DG SHED | 1 | 10.00 | 8.00 | 5.50 | – | – |
| 38 | SCUM PIT | 1 | – | – | 1.50 | 3.00 | 1.50 |
| 39 | PLANT DRAIN SUMP | 1 | – | – | 2.00 | 3.50 | 2.50 |
| 40 | GUARD ROOM(SECURITY ROOM) | 1 | 3.00 | 3.00 | 2.70 | – | – |
| 41 | OVERFLOW CHAMBER | 2 | 2.00 | 2.00 | 1.50 | – | – |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIGN. | | | | | | | | | | | | | |
| INITIALS | | | | | | | | | | | | | |
| REVISIONS | | | | | | | | | | | | | |
| SIGN. | | | | | | | | | | | | | |
| INITIALS | | | | | | | | | | | | | |
| ISSUE | | DRN | DSN | CHD | CV | EL | IC | ME | | PE/PM | APPD | DATE | |
| | | | | | CLEARED | | | | | | | | |

Purpose : only for Tender Purpose

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FILE NAME :

BANGALORE WATER SUPPLY AND SEWERAGE BOARD

# LAYOUT OF 10MLD STP WITH 10 MLD TSPS AT ANJANAPURA

SCALE :

DC & DISC :

DWG NO.

ISSUE

SIZE-A1